

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-295970
(43)Date of publication of application : 18.11.1997

(51)Int.Cl.

C07D235/06
A61K 31/416
A61K 31/416
A61K 31/416
A61K 31/42
A61K 31/42
A61K 31/42
A61K 31/42
A61K 31/425
A61K 31/425
A61K 31/425
A61K 31/425
A61K 31/425
C07D235/12
C07D413/12
C07D417/12
// (C07D413/12
C07D235:12
C07D263:20)
(C07D413/12
C07D235:06
C07D263:20)
(C07D413/12
C07D235:12
C07D271:08)
(C07D413/12
C07D235:06
C07D271:08)
(C07D417/12
C07D235:12
C07D277:34)
(C07D417/12
C07D235:06
C07D277:34)

(21)Application number : 08-137930
(22)Date of filing : 31.05.1996

(71)Applicant : SANKYO CO LTD
(72)Inventor : FUJITA TAKESHI
WADA KUNIO
OGUCHI MINORU
YANAGISAWA HIROAKI
FUJIMOTO KOICHI
FUJIWARA TOSHIHIKO
HORIYOSHI HIROYOSHI
YOSHIOKA TAKAO

(30)Priority

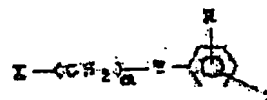
Priority number : 07135097 Priority date : 01.08.1995 Priority country : JP
08-45845 04.03.1996 JP

(54) CONDENSED HETEROCYCLIC COMPOUND

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new compound that has excellent blood sugar reductive action, etc., and is useful for improving such symptoms as insulin resistance, hyperlipidemia, hyperglycemia, gestational diabetes, adiposity, glucose tolerance insufficiency, diabetic complications, arteriosclerosis, cataract, polycystic ovary syndrome, etc.

SOLUTION: This new compound of formula I (X is a benzimidazole ring; Y is O or S; Z is thiazolidine-2,4-dione-5-ylmethyl, etc.; R is H, a 1-4C alkyl, a halogen, etc.; (m) is 1-5), e.g. 5-[4-(1-methylbenzimidazole-2-ylmethoxy)benzyl] thiazoline-2,4-dione, is obtained by reducing a compound of formula II (R' is a 1-5C alkyl), and then by a photoreaction of the reduced compound, or by a catalytic hydrogenation of the compound of formula II. This new compound has aldose reductase inhibitory action, 5-



lipoxigenase inhibitory action and peroxylipid formation-inhibitory action.

LEGAL STATUS

[Date of request for examination]	05.02.1999
[Date of sending the examiner's decision of rejection]	
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]	
[Date of final disposal for application]	
[Patent number]	2976885
[Date of registration]	10.09.1999
[Number of appeal against examiner's decision of rejection]	
[Date of requesting appeal against examiner's decision of rejection]	
[Date of extinction of right]	